

## WHAT IS CLAIMED IS:

1. A method for treating an autoimmune disorder in a patient comprising:

a) removing peripheral blood mononuclear cells (PBMC) from said patient;

5 b) treating said cells with a regulatory composition to generate regulatory T cells, said regulatory composition comprising anti-CD2 and anti-CD3; and;

c) reintroducing said regulatory T cells to said patient to suppress an aberrant immune response.

2. A method for treating an autoimmune disorder in a patient comprising:

10 a) removing peripheral blood mononuclear cells (PBMC) from said patient;

b) treating said cells with a regulatory composition to induce said cells to produce immunosuppressive levels of TGF- $\beta$ ; said regulatory composition comprising anti-CD2 and anti-CD3; and;

c) reintroducing said cells to said patient to suppress aberrant immune responses.

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3. A method according to claim 1 or 2, said regulatory composition further comprising TGF- $\beta$ .

4. A method according to claim 1 or 2, said regulatory composition further comprising IL-2.

5. A method according to claim 1 or 2, said regulatory composition further comprising TGF- $\beta$  and IL-2.

20 6. A method according to claim 1 or 2, wherein said PBMC comprise CD8+.

7. A method according to claim 1 or 2, wherein said PBMC comprise CD8+ and said regulatory composition further comprises TGF- $\beta$ .

8. A method according to claim 1 or 2, wherein said PBMC comprise CD8+ and said regulatory composition further comprises IL-2.

25 9. A method according to claim 1 or 2, wherein said PBMC comprise CD8+ and said regulatory composition further comprises TGF- $\beta$  and IL-2.

10. A method according to claim 1 or 2, wherein said PBMC comprise CD4+.
11. A method according to claim 1 or 2, wherein said PBMC comprise CD4+ and said regulatory composition further comprises TGF- $\beta$ .
12. A method according to claim 1 or 2, wherein said PBMC comprise CD4+ and said regulatory composition further comprises IL-2.
13. A method according to claim 1 or 2, wherein said PBMC comprise CD4+ and said regulatory composition further comprises TGF- $\beta$  and IL-2.
14. A method according to claim 1 or 2, wherein said PBMC comprise CD8+ and CD4+.
15. A method according to claim 1 or 2, wherein said PBMC comprise CD8+ and CD4+ and said regulatory composition further comprises TGF- $\beta$ .
16. A method according to claim 1 or 2, wherein said PBMC comprise CD8+ and CD4+ and said regulatory composition further comprises IL-2.
17. A method according to claim 1 or 2, wherein said PBMC comprise CD8+ and CD4+ and said regulatory composition further comprises TGF- $\beta$  and IL-2.
18. A method according to claim 1 or 2, wherein said PBMC comprise NK T cells.
19. A method according to claim 1 or 2, wherein said PBMC comprise NK T cells and and said regulatory composition further comprises TGF- $\beta$ .
20. A method according to claim 1 or 2, wherein said PBMC comprise NK T cells and and said regulatory composition further comprises IL-2.
21. A method according to claim 1 or 2, wherein said PBMC comprise NK T cells and and said regulatory composition further comprises TGF- $\beta$  and IL-2.
22. A method according to claim 1 or 2, wherein said aberrant immune response is a cell-mediated autoimmune disease selected from the group consisting of Hashimoto's disease, polymyositis, disease inflammatory bowel disease, multiple sclerosis, diabetes mellitus, rheumatoid arthritis, and scleroderma.
23. A method according to claim 2 wherein said wherein said aberrant immune response is an antibody mediated disease selected from the group consisting of pemphigus vulgaris, myasthenia gravis, hemolytic anemia, thrombocytopenia purpura, Grave's disease, dermatomyositis and Sjogren's disease.